Interface Layout for the Fleet Information System (06/08/2005)

** *Red, italicized text indicates a change or addition to the original layout*

Attribute	Required/ Optional/ Conditional	Explanation	Data Type	Picture	Length	Decimal Places	Start Position	End Position
This is the layout for adding, changing or deleting Vehicle, Assignment, Acquisition, Disposition, and Procurement Funding data. Delete is only allowed for records at status "01" - "Initial Entry". To delete a record, you only need to send "D" for the indicator and the VIN of the vehicle you wish to delete.If you are changing an existing record, send all of the data you want stored because changes will be made based on the data you provide in a change record. For example, color is an optional field. If you are changing data for a vehicle that has the Color "RED" stored in the Fleet Information System and the Color field is empty when you send in a record to make the change, the Color attribute in the Fleet Information System will be changed to spaces.								
Add/Change/Delete Indicator	R	This will be A to add a record, C to change a record and D to delete a record.	AN	Pic X(01)	1	0	1	1
VIN	R	The number stamped or engraved on the unit by the manufacturer.	AN	Pic X(17)	17	0	2	18
Incorrect VIN	O	**Required if changing the VIN.** This will be the VIN that is currently in the system. If you need to change a VIN, provide the new VIN in the VIN field.	AN	Pic X(17)	17	0	19	35
Title Number	C	**Required if Confidential Plate Indicator is N or blank.** Missouri Title Number	AN	Pic X(08)	8	0	36	43
Vehicle Year	R	Four Digit year as listed on manufacturer's statement of origin	AN	Pic X(04)	4	0	44	47
Make *	R	Make of the vehicle	AN	Pic X(30)	30	0	48	77
Model *	C	**Required if Confidential Plate Indicator is N or blank.** Model of the vehicle	AN	Pic X(30)	30	0	78	107
Body Style *	R	Body Style of Vehicle	AN	Pic X(30)	30	0	108	137
Color	O	Exterior color of the vehicle	AN	Pic X(30)	30	0	138	167
Category *	R	Two-character code for vehicle category	AN	Pic X(02)	2	0	168	169
Sub Category *	R	Two-character code for vehicle subcategory	AN	Pic X(02)	2	0	170	171
Passenger Capacity	O	Total number of passengers the vehicle is designed to carry including the driver	AN	Pic X(03)	3	0	172	174
Odometer Type	C	**Required if not a trailer.** (M) miles, (H) hours.	AN	Pic X(01)	1	0	175	175
Gross Vehicle Weight Rating (GVWR)	C	**Required if not a trailer**. Gross Vehicle Weight Rating as listed on the manufacturer's statement of origin.	AN	Pic X(15)	15	0	176	190

Attribute	Required/ Optional/ Conditional	Explanation	Data Type	Picture	Length	Decimal Places	Start Position	End Position
Engine Size	O	**Required if not a trailer**. Size of the vehicle engine as listed on the manufacturer's statement of origin.	AN	Pic X(15)	15	0	191	205
Drive Type *	C	**Required if not a trailer.** Must be a valid drive type. See documentation for valid values.	AN	Pic X(20)	20	0	206	225
Warranty Miles	O	The warranty miles provided with the vehicle.	N	Pic 9(6)	6	0	226	231
Warranty Months	O	The warranty months provided with the vehicle.	N	Pic 9(3)	3	0	232	234
Tire Specs	O	Optional field to record tire specifications.	AN	Pic X(20)	20	0	235	254
Transmission Type	O	M for manual, A for automatic	AN	Pic X(01)	1	0	255	255
Fuel Configuration *	C	**Required if not a trailer.** Must be a valid Fuel Configuration code. See documentation for valid values.	AN	Pic X(15)	15	0	256	270
Alternate Fuel Vehicle (AFV) Indicator	C	**Required if not a trailer.** Y or N. Y indicates the vehicle is considered an alternative fuel vehicle under DNR reporting guidelines.	AN	Pic X(01)	1	0	271	271
DNR Classification *	C	**Required if not a trailer.** Classification as defined by the DNR Energy Center.	AN	Pic X(02)	2	0	272	273
DNR Exempt Indicator	C	**Required if not a trailer.** Y or N.	AN	Pic X(01)	1	0	274	274
Café Rating	O	(Corporate Average Fuel Economy) Weighted values of average city and highway fuel economy test results established by the EPA.	N	Pic 9(2)V2	4	2	275	278
AFV Conversion Indicator	C	**Required if not a trailer.** Y or N. Y if the vehicle was converted to an AFV	AN	Pic X(01)	1	0	279	279
AFV Date Converted	C	**Required if AFV Conversion Indicator = Y.**	N	Pic X(8)	8	0	280	287
Agency	R	SAM II Agency Number the vehicle is assigned to.	AN	Pic X(03)	3	0	288	290
Organization 1	R	SAM II Organization Number the vehicle is assigned to.	AN	Pic X(04)	4	0	291	294
Organization 2	O	SAM II Organization Number to be used for reporting.	AN	Pic X(04)	4	0	295	298

Attribute	Required/ Optional/ Conditional	Explanation	Data Type	Picture	Length	Decimal Places	Start Position	End Position
Assignment City	O	City name where vehicle is permanently assigned. If the Assignment City is not provided, it will default to the preferred city for the Assignment Zip Code.	AN	Pic X(24)	24	0	299	322
Assignment County	O	County name where vehicle is permanently assigned. If the Assignment County is not provided, it will default to the County for the Assignment Zip Code.	AN	Pic X(20)	20	0	323	342
Assignment Zip Code	C	**Required if Confidential Plate Indicator is N or blank.** Five-digit zip code where vehicle is permanently assigned.	AN	Pic X(05)	5	0	343	347
Assignment Zip Extension	O	Four-digit zip code extension.	AN	Pic X(04)	4	0	348	351
Assignment Notes	O	A 254-character field for extra documentation.	AN	Pic X(254)	254	0	352	605
Acquisition Date	R	Date new vehicle was accepted. For transferred vehicles, date the vehicle was delivered. The date format is YYYYMMDD.	N	Pic X(8)	8	0	606	613
Acquisition Method *	R	Two-character code that indicates the Acquisition Method.	AN	Pic X(02)	2	0	614	615
Acquisition Source Name	O	Name of dealer, State Agency Name, or other as appropriate.	AN	Pic X(30)	30	0	616	645
Acquisition Source City	O	City where acquired.	AN	Pic X(24)	24	0	646	669
Acquisition Cost	R	Purchase price excluding components and/or add-ons after acceptance.	N	Pic 9(7)V(2)	9	2	670	678
Acquisition Odometer Reading	C	**Required if not a trailer.** Mileage or hours at time of acquisition.	N	Pic 9(7)V(2)	9	2	679	687
Primary Assignment *	R	Two-character code that indicates the Primary Assignment of the vehicle. **** If the Primary Purpose is "02" or "05", the Primary Assignment must = "03". If the Primary Purpose is "03", the Primary Assignment must = "02" or "03". If the Primary Purpose is "04", the Primary Assignment must = "01" or "02".**	AN	Pic X(02)	2	0	688	689

Attribute	Required/ Optional/ Conditional	Explanation	Data Type	Picture	Length	Decimal Places	Start Position	End Position
Assignment Name	C	**Required if Confidential Plate Indicator is N or blank.** Name of pool, individual or work unit.	AN	Pic X(30)	30	0	690	719
Commute Indicator	O	*** E, R, or blank. "E" is for Exempt commuting and "R" for reportable commuting. This should be R if vehicle is subject to IRS fringe benefit reporting.*	AN	Pic X(01)	1	0	720	720
Primary Purpose *	R	Two-character code that indicates the primary purpose of the vehicle.	AN	Pic X(02)	2	0	721	722
** Secondary Purpose * This was renamed from Specail Purpose	C	*** Required two-character code if primary purpose is code is "02"(Function Specific vehicle) or "03" (Special Purpose vehicle).*	AN	Pic X(02)	2	0	723	724
Vehicle Status *	R	Two-character code that indicates the status of the vehicle.	AN	Pic X(02)	2	0	725	726
Status Change Date	O	Date the status changed.	N	Pic X(8)	8	0	727	734
Assignment Date	R	Date the vehicle was assigned.	N	Pic X(8)	8	0	735	742
In Service Date	R	Date the vehicle was placed in service and available for use.	N	Pic X(8)	8	0	743	750
Out of Service Date	C	**Required if vehicle status = "Inactive - Permanent" (code "03") or "Inactive - Temporary" (code "04").**	N	Pic X(8)	8	0	751	758
License Number 1	C	**Required if Confidential Plate Indicator is N or blank.** The Missouri official license plate number for the vehicle.	AN	Pic X(07)	7	0	759	765
License Number 2	O	Alternate license plate used on same vehicle.	AN	Pic X(07)	7	0	766	772
Inventory Number	R	The number assigned to the vehicle by the agency.	AN	Pic X(16)	16	0	773	788
** Fuel Card Number	O	Fuel card number for the vehicle.	AN	*** Pic X(25)*	*25*	0	789	813
Procurement Funding Source 1	C	**Required if Acquisition Cost is greater than $0.00.**	AN	Pic X(04)	4	0	814	817
Procurement Funding Source 2	O		AN	Pic X(04)	4	0	818	821
Procurement Funding Source 3	O		AN	Pic X(04)	4	0	822	825
Procurement Funding Source 4	O		AN	Pic X(04)	4	0	826	829
Procurement Funding Source 5	O		AN	Pic X(04)	4	0	830	833

Attribute	Required/ Optional/ Conditional	Explanation	Data Type	Picture	Length	Decimal Places	Start Position	End Position
Procurement Funding Source 6	O		AN	Pic X(04)	4	0	834	837
Procurement Funding Amount 1	C	**Required if Acquisition Cost is greater than $0.00.**	N	Pic 9(7)V2	9	2	838	846
Procurement Funding Amount 2	O		N	Pic 9(7)V2	9	2	847	855
Procurement Funding Amount 3	O		N	Pic 9(7)V2	9	2	856	864
Procurement Funding Amount 4	O		N	Pic 9(7)V2	9	2	865	873
Procurement Funding Amount 5	O		N	Pic 9(7)V2	9	2	874	882
Procurement Funding Amount 6	O		N	Pic 9(7)V2	9	2	883	891
Disposal Method *	C	**Required if Vehicle status = "Surplused" (code "05") or "Sold" (code "06").**	AN	Pic X(02)	2	0	892	893
Disposal Date	C	**Required if Vehicle status = "Sold" (code "06").**	N	Pic X(08)	8	0	894	901
Surplus Date	C	**Required if Vehicle Status = "Surplused" (code "05").**	N	Pic X(08)	8	0	902	909
Disposal Odometer Reading	C	**Required if there is a disposal date.** Odometer reading at time of disposal.	N	Pic 9(07)V2	9	2	910	918
Net Disposal Proceeds	C	**Required if Vehicle status = "Sold" (code "06").**	N	Pic 9(07)V2	9	2	919	927
** *Oil Change Months*	*O*	*This is the number of months between oil changes. If blank, it will default to 6 months.*	*AN*	*PIC X(02)*	*2*	*0*	*928*	*929*
** *Oil Change Miles*	*O*	*This is the number of miles between oil changes. If blank, it will default to 5,000 miles.*	*AN*	*PIC X(06)*	*6*	*0*	*930*	*935*
		The following contact fields are optional, however, please provide all data listed as conditional if you provide any.						
Contact Last Name	C	**Required if any Contact data is provided.**	AN	Pic X(20)	20	0	936	955
Contact First Name	C	**Required if any Contact data is provided.**	AN	Pic X(20)	20	0	956	975
Contact Address 1	C	**Required if any Contact data is provided.**	AN	Pic X(30)	30	0	976	1005
Contact Address 2	O		AN	Pic X(30)	30	0	1006	1035
Contact City	C	**Required if any Contact data is provided.**	AN	Pic X(24)	24	0	1036	1059

Attribute	Required/ Optional/ Conditional	Explanation	Data Type	Picture	Length	Decimal Places	Start Position	End Position
Contact State	C	**Required if any Contact data is provided.**	AN	Pic X(02)	2	0	1060	1061
Contact Zip Code	C	**Required if any Contact data is provided.**	AN	Pic X(05)	5	0	1062	1066
Contact Zip Extension	O		AN	Pic X(04)	4	0	1067	1070
Contact E-Mail	O		AN	Pic X(40)	40	0	1071	1110
Contact Area Code	C	**Required if any Contact data is provided.**	AN	Pic X(03)	3	0	1111	1113
Contact Phone Number	C	**Required if any Contact data is provided.**	AN	Pic X(08)	8	0	1114	1121
Contact FAX Number	O		AN	Pic X(08)	8	0	1122	1129
Confidential Plate Indicator	O	Y, N or blank. If blank, it will default to N.	AN	Pic X(01)	1	0	1130	1130
Filler	R	Spaces	AN	Pic X(70)	70	0	1131	1200

The following layout is for adding Fuel Consumed, Maintenance and Repair and Utilization data. This layout contains a Document Header Record and a Document Line Record. The Document Line Record allows multiple Maintenance and Repair detail lines to be created for each Document Header Record. Changes to existing Fuel Consumed, Maintenance and Repair and Utilization data are not allowed with this interface file.

		Document Header Record						
Record Type	R	Value is H. This identifies the record as a Document Header	AN	Pic X(01)	1	0	1	1
VIN	R	Vehicle Identification Number for vehicle	AN	Pic X (17)	17	0	2	18
Agency	R	SAM II Agency Number the vehicle is assigned to.	AN	Pic X(03)	3	0	19	21
Organization	R	SAM II Organization Number the vehicle is assigned to.	AN	Pic X(04)	4	0	22	25
Safety Inspection Date	O	Date of the last safety inspection date.	N	Pic X(8)	8	0	26	33
Next Safety Inspect Date	O	Date of the next safety inspection date.	N	Pic X(8)	8	0	34	41
Emissions Inspection Date	O	Date of the last emissions inspection date.	N	Pic X(8)	8	0	42	49
Next Emissions Inspection Date	O	Date of the next emissions inspection date.	N	Pic X(8)	8	0	50	57

Attribute	Required/ Optional/ Conditional	Explanation	Data Type	Picture	Length	Decimal Places	Start Position	End Position
Fuel Purchase Date	C	**Required if fuel was purchased for the vehicle during the reporting month.** If entering individual transactions, enter the purchase date. If entering a monthly total, enter the last day of the month.	N	Pic X(08)	8	0	58	65
Fuel Units Purchased	C	**Required if fuel was purchased for the vehicle during the reporting month.** Number of gallons, kwh, or cubic feet purchased.	N	Pic 9(04)V2	6	2	66	71
Fuel Unit Of Consumption	C	**Required if fuel was purchased for the vehicle during the reporting month.** Gallons, KWH, Cubic Feet	AN	Pic X20)	20	0	72	91
Fuel Cost	C	**Required if fuel was purchased for the vehicle during the reporting month.** Total cost of the transaction(not the cost per gallon).	N	Pic 9(05)V2	7	2	92	98
Fuel Type *	C	**Required if fuel was purchased for the vehicle during the reporting month.** Fuel type of the vehicle. B20, gas, LPG, etc.	AN	Pic X10)	10	0	99	108
Maintenance or Repair (M or R)Date	C	**Required if any service work was done during the month.** If entering individual transactions, enter the service date. If entering a monthly total, enter the last day of the month.	N	Pic X(08)	8	0	109	116
M or R City	O	City where work was performed.	AN	Pic X(24)	24	0	117	140
M or R Odometer Reading	*C*	***** Required if the Oil Change Indicator is Y. Odometer reading at time of maintenance or repair.***	N	Pic 9(7)V2	9	2	141	149
M or R Invoice Number	O	Invoice number of maintenance or repair.	AN	Pic X(12)	12	0	150	161
M or R Notes	O	Additional notes/description of maintenance or repair.	AN	Pic X(254)	254	0	162	415
M or R Vendor Name	O	Vendor that performed the maintenance or repair.	AN	Pic X(40)	40	0	416	455
** Oil Change Indicator	*O*	***** Y, N, or a blank. If blank, it will default to N. This indicates if the maintenance included an oil change.***	*AN*	*Pic X(01)*	*1*	*0*	*456*	*456*

Attribute	Required/ Optional/ Conditional	Explanation	Data Type	Picture	Length	Decimal Places	Start Position	End Position
Maintenance Total	O	Total maintenance cost.	N	Pic 9(07)V2	9	2	457	465
Repair Total	O	Total repair cost.	N	Pic 9(07)V2	9	2	466	474
M and R Total	C	**Required if any service work was done during the month.** Total maintenance and repair cost.	N	Pic 9(07)V2	9	2	475	483
Utilization End Report Date	R	Required if vehicle was used during the reporting month. If entering monthly total, enter the last day of the month.	N	Pic X(08)	8	0	484	491
Utilization Odometer Reading	R	Required if vehicle was used during the reporting month. Odometer reading of the vehicle at the end of the utilization period.	N	Pic 9(07)V2	9	2	492	500
Commute Miles	O	Number of commute miles during utilization period.	N	Pic 9(04)V2	6	2	501	506
User Agency	O	Agency number of user if other than owner.	AN	Pic X(03)	3	0	507	509
User Organization	O	Organization number if other than owner.	AN	Pic X(04)	4	0	510	513
Filler	R	**Spaces**	AN	Pic X(87)	87	0	514	600

This is the layout for Maintenance and Repair Detail lines

		Document LIne Record						
Record Type	R	Value is L This identifies the record as a document line record	AN	Pic X(01)	1	0	1	1
VMRS Reason Code *	O	American Trucking Association Vehicle Maintenance Reporting Standards (VMRS)	AN	Pic X(02)	2	0	2	3
VMRS Work Code *	O		AN	Pic X(02)	2	0	4	5
VMRS System Code *	O		AN	Pic X(03)	3	0	6	8
VMRS Assembly Code *	O		AN	Pic X(03)	3	0	9	11
VMRS Component Code *	O		AN	Pic X(03)	3	0	12	14
Maintenance and Repair Detail Notes	O	Additional text to document the service record.	AN	Pic X(100)	100	0	15	114

Attribute	Required/ Optional/ Conditional	Explanation	Data Type	Picture	Length	Decimal Places	Start Position	End Position
Labor Detail Cost	O	The labor cost for the detail record. If supplied, this plus the parts detail record will equal the Total Detail Cost.	N	Pic 9(5)V2)	7	2	115	121
Parts Detail Cost	O	The parts cost for the detail record. If supplied, this plus the labor cost will equal the Total Detail Cost.	N	Pic 9(5)V2)	7	2	122	128
Total Detail Cost	C	**Required if labor detail cost and parts detail cost are blank.** This is the total cost for the detail record.	N	Pic 9(6)V2	8	2	129	136
Filler	R	Spaces	AN	Pic X(464)	464	0	137	600

* See information about codes and permitted values at:
http://www.oa.mo.gov/gs/fm/tablevalues.htm

The date format is YYYYMMDD